KSH

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Filterdüsen
Für Wasser und Abwasser-Aufbereitung

Filter-Nozzles
For water processing and water cleaning

Crépines à filtre
Pour le traitement et
la filtration de l'eau

Toberas filtrantes
Para el tratamieto y la
filtration del agua

Filterdüsen-Sterne

Filter-Nozzles-Stars

Crépines étoiles

Estrellas para toberas a filtro

Material-beständigkeit

Unsere Filterdüsen und Filterdüsensterne werden aus Polypropylen hergestellt. Polypropylen (PP) ist in Abhängigkeit vom Druck zum Beispiel beständig bei 60°C (333 K) gegen:

Ammoniak w 10 %
Formaldehyd w 10 %
Isopropanol w jede
Methanol w 50 %
Natronlauge 50 %
Salzsäure 50 %
Schwefelsäure 50 %
Sodawasser
Ozon 20°C, 50 pphm (0,5mg/L)

Polypropylen ist physiologisch unbedenklich.

Polypropylen wird bei zunehmenden Frost spröder. Bitte, behandeln Sie Produkte aus PP entsprechend. Bei Kälte empfehlen wir die Filterdüsen und Mutter vor der Montage zu erwärmen.

Für Heißwasser bis max. 110°C empfehlen wir in Abhängigkeit vom Druck Polypropylen mit chemisch gekoppelter 30% Glasfaser (PP GV 30 S).

Für Heißwasser bis max. 135°C empfehlen wir in Abhängigkeit vom Druck PVDF.
(Bedingt beständig gegen konzentrierte Laugen).

Farben für Schlitze (PP):
0,2 = elfenbein
0,3 = grün
0,35 = weiß
0,5 = grau
0,7 = gelb
0,8 = blau
1,0 = schwarz
1,5 = orange
2,0 = grün

Anzugsmoment bei der Montage ca. 0,5 kpm / 5 Nm.
Max. 430 U/min

1 mWS = ca. 0,1 bar

Gewinde in Anlehnung an
DIN ISO 228 für G, BSP
ANSI B1.20.1-1983 für NPT, NPSM
ANSI B1.1a-1984 für UN

Maße in mm.

Irrtümmer / Druckfehler
Technische Änderungen vorbehalten.

Constancy of the material

Our Filter nozzles and Filter nozzles-stars are made of polypropylene. Depending on the drop in pressure for example at 60°C (333 K) Polypropylene (PP) is resistant against:

ammonia ag 10 %
formaldehyde ag 10 %
isopropanol all concentrations
methanol ag 50 %
caustic soda solutions 50 %
hydrochloric acid 50 %
sulfuric acid 50 %
soda water
ozone 20°C, 50 pphm (0,5mg/L)

Polypropylene is physiologically unobjectionable.

With increasing frost polypropylene gets more sensitive. Please, handle all articles made of polypropylene accordingly. If it is cold we recommend to warm up filter nozzles and nuts before installation.

For hot water of a continuous temperature of up to max. 110°C depending on the drop in pressure we recommend polypropylene with chemically combined 30% glass fibres.

For hot water of a continuous temperature of up to max. 135°C depending on the drop in pressure we recommend PVDF.
(Conditionally resistant to concentrated caustic sowtions).

Colour of slots (PP):
0,2 = ivory
0,3 = green
0,35 = white
0,5 = grey
0,7 = yellow
0,8 = blue
1,0 = black
1,5 = orange
2,0 = green

Tightening torque when fitting approx. 0,5 kpm / 5 Nm.
Max. rmp 430.

1 mWS = approx. 0,1 bar

Threads in the approach of
DIN ISO 228 for G, BSP
ANSI B1.20.1-1983 for NPT, NPSM
ANSI B1.1a-1984 for UN

Dimensions in mm.

Error / Pressure Failure
We reserve the right to alter specifications.

Résistance du matérial

Nos crépines à filtre sont fabriquées en polypropylène. Le polypropylène (PP) résiste, en fonction de la pression, par exemple à 60°C (333 K) aux produits suivants:

ammoniaque aq 10 %
formaldéhyde aq 10 %
isopropanol aq toute concentration
méthanol aq 50 %
solution de soude 50 %
acide chlorhydrique 50 %
acide sulfurique 50 %
eau soda
ozone 20°C, 50 pphm (0,5mg/L)

Le polypropylène est physiologiquement neutre.

Le polypropylène devient plus cassant en cas de gel croissant. Veuillez traiter les produits en polypropylène en tenant compte de cefacteur. Lors de basse température nous recommandons le réchauffement des crépines à filtre ainsi que des écrous avant le montage.

Pour de l'eau chaude à température constante allant jusqu'à 110°C max., nous recommandons l'utilisation du polypropylène chargé à 30% de fibres de verre.

Pour de l'eau chaude à température constante allant jusqu'à 135°C max., nous recommandons l'utilisation du PVDF (résistance limitée aux solutions concentrées).

Coloration par fente (PP):
0,2 = ivoire
0,3 = vert
0,35 = blanc
0,5 = gris
0,7 = jaune
0,8 = bleu
1,0 = noir
1,5 = orange
2,0 = vert

Couple de serrage lors du montage env. 0,5 kpm / 5 Nm.
Max. 430 Tour/min.

1 m de colonne d'eau = env. 0,1 bar

Les fils dans l'approche de
DIN ISO 228 pour G, BSP
ANSI B1.20.1-1983 pour NPT, NPSM
ANSI B1.1a-1984 pour UN

Dimension en mm.

Sous réserve de fautes ou d'erreurs d'impression et de modifications techniques

Resistencia del Material

Nuestras toberas y estrellas filtrantes están fabricadas en polipropileno (PP), Dependiendo de la presión puntual de entrada y por ejemplo a 60°C (333 K), el polipropileno es resistente a:

amoníaco, sol. 10 %
formaldehído, sol. 10 %
isopropanol, cualquier conc.
metanol, sol. 50 %
sosa cáustica, sol. 50 %
ácido clorhídrico, conc. 50 %
ácido sulfúrico, conc. 50 %
agua de soda
Ozono 20°C, 50 pphm (0,5mg/L)

El polipropileno es inocuo.

A bajas temperaturas la fragilidad del polipropileno aumenta. Deben utilizarse los productos fabricados en PP, teniendo en cuenta la anterior circunstancia. En caso de bajas temperaturas, recomendamos calienten las toberas filtrantes y tuercas antes de su montaje.

Para agua caliente a temperatura constante hasta un máx. de 110°C, y dependiendo de la presión puntual de entrada, recomendamos utilizar nuestras toberas fabricadas en PP reforzadas con el 30% de fibra de vidrio.

Para agua caliente a temperatura constante hasta un máx. de 135°C, dependiendo de la presión puntual de entrada, recomendamos utilizar nuestras toberas fabricadas en PVDF. Resisten soluciones concentradas de bases fuertes (con restricciones).

Color de las ranuras (PP):
0,2 = marfil
0,3 = verde
0,35 = blanco
0,5 = gris
0,7 = amarillo
0,8 = azul
1,0 = negro
1,5 = naranja
2,0 = verde

Momento de torsión para el montaje, Aprox. 0,5 kpm / 5 Nm.
Máx. Rmp 430.

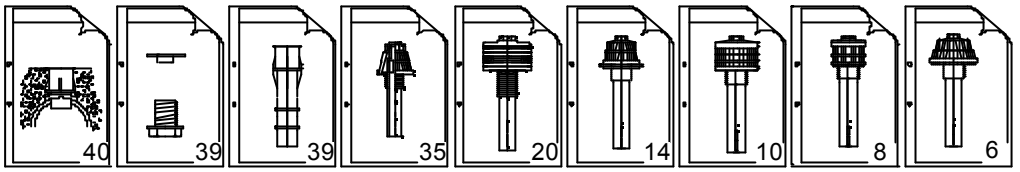
1 mWS = aprox. 0,1 bar

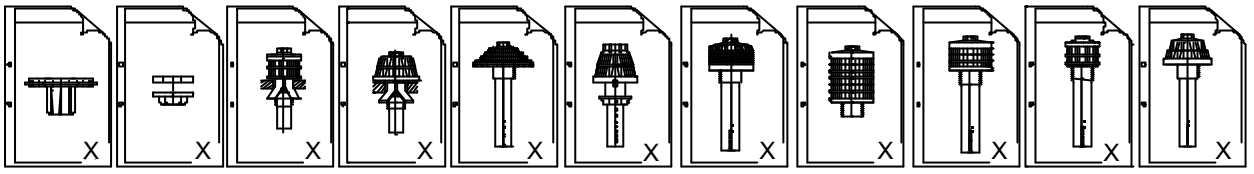
Número aproximado hilos de rosca según
DIN ISO 228 para G, BSP
ANSI B1.20.1-1983 para NPT, NPSM
ANSI B1.1a-1984 para UN

Dimensiones en mm.

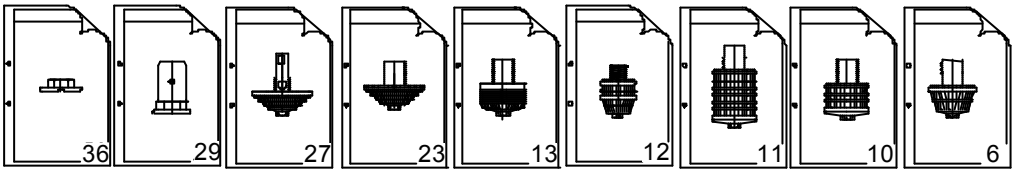
Error / Fallo de Presión
Nos reservamos el derecho de alterar las especificaciones técnicas.

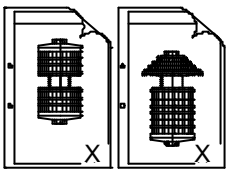
Anwendungs-beispiele (Inhalt)	Contents and typical applications	Sommaire mode d'emploi	Ejemplos de aplicacion indice





X = 6-23 / 34-35





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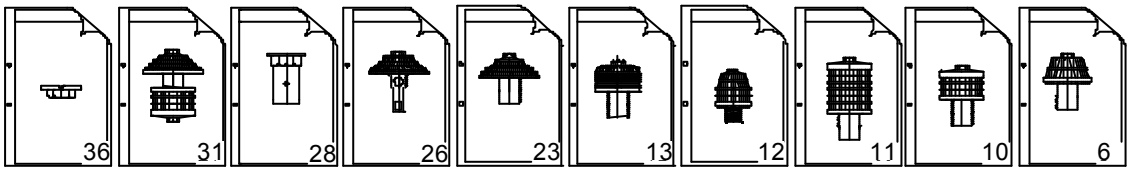

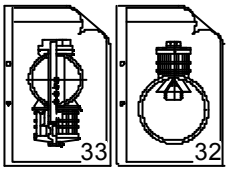

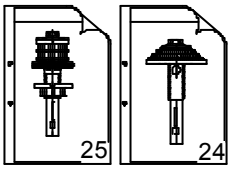

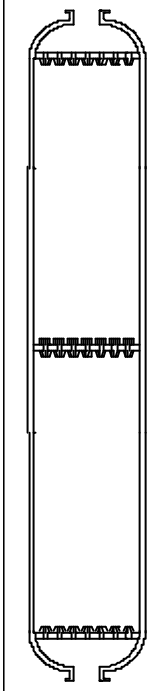

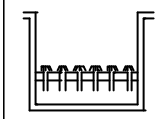

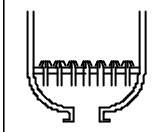

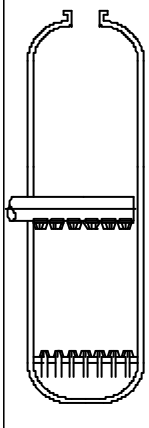

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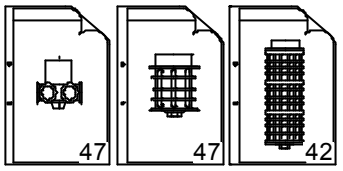
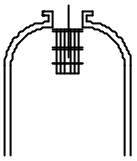
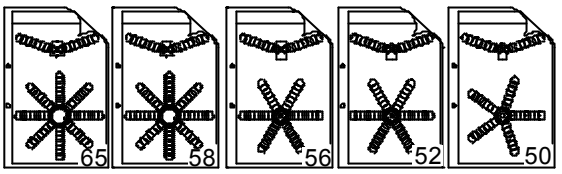
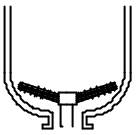
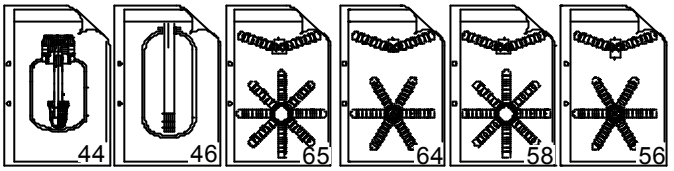
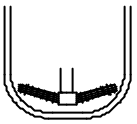


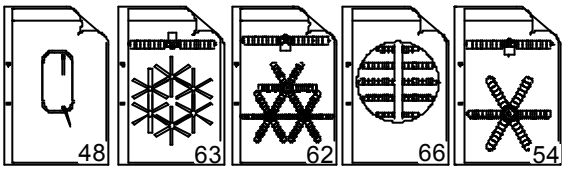


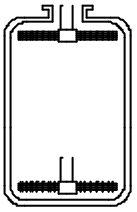


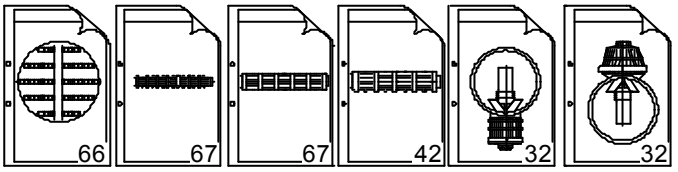


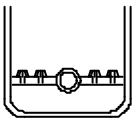


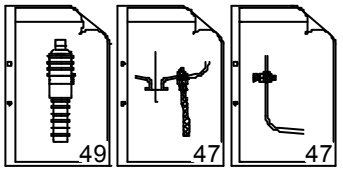


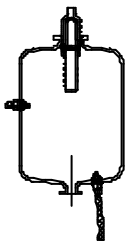






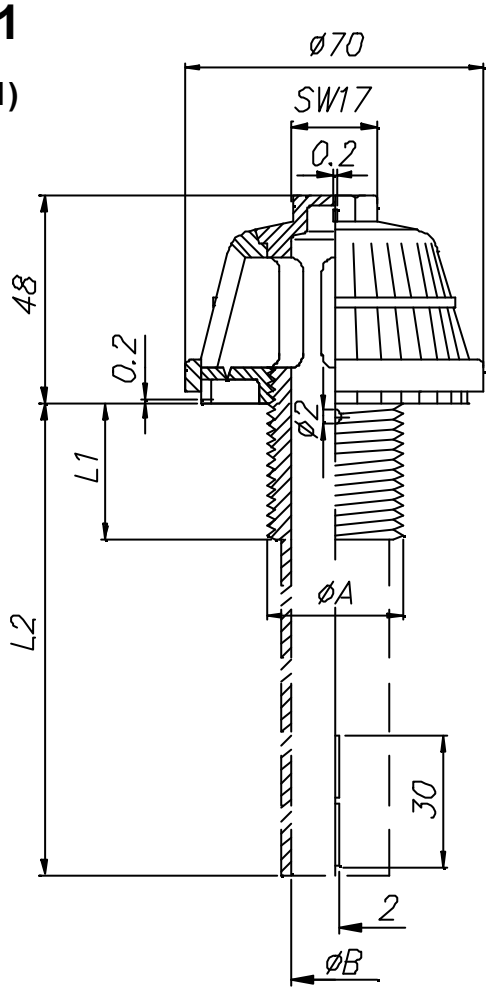






Typ K1

(Typ KR1)



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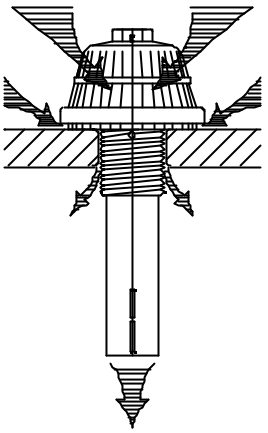

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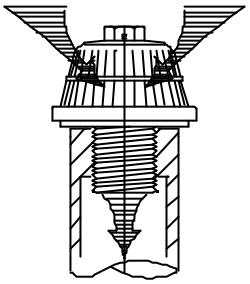
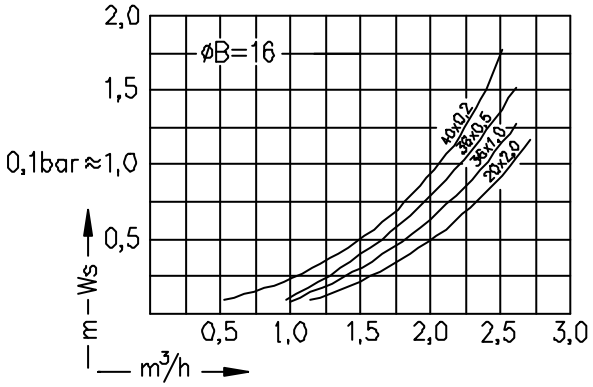
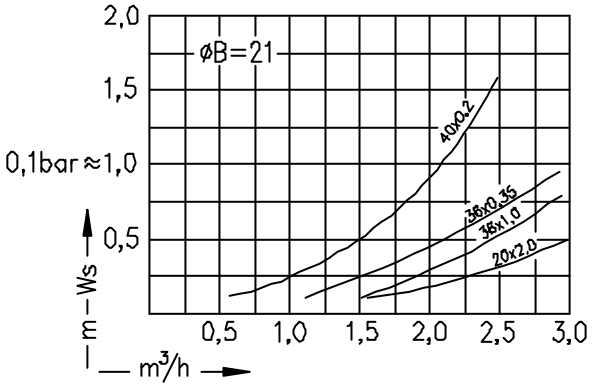
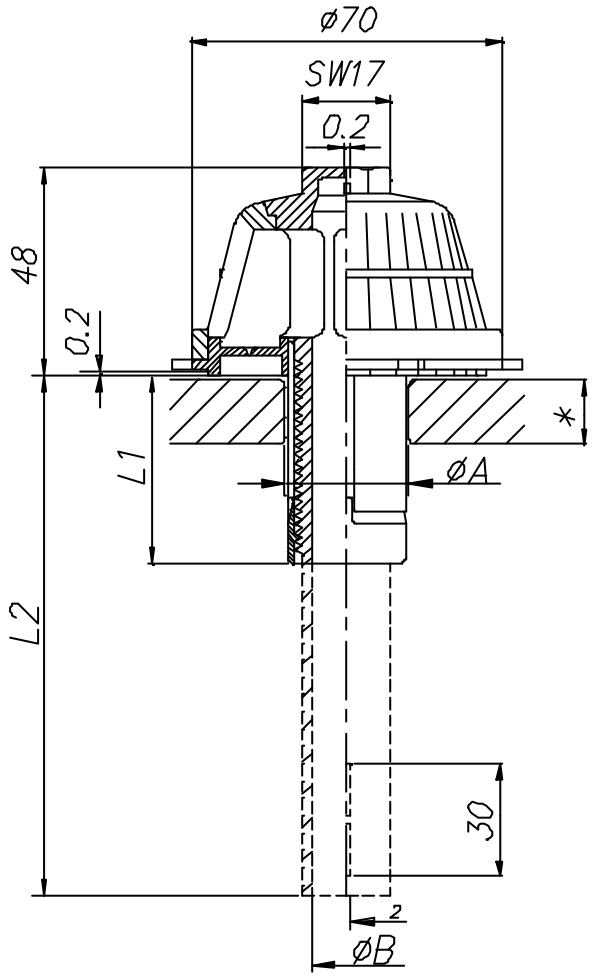


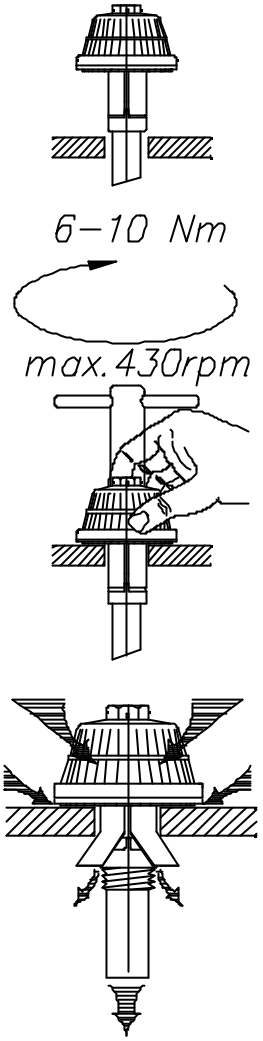


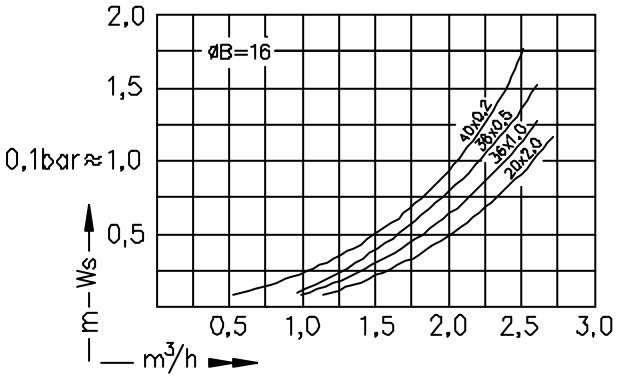


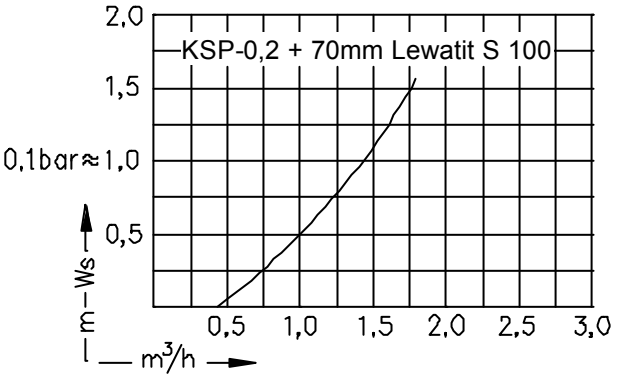
Bestellung Ordering Commande Encargo	Typ Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	**øA**	Gewindelänge Thread length Longueur de filetage Largura de la rosca **L1**	Schaft Shaft Longueur de tige Tija **L2**	**øB**
	K1 **KR1**	40x0,2 = 1,95 cm² 36x0,35 = 2,96 cm² 20x0,5 = 2,35 cm² 36x0,5 = 4,23 cm² 20x0,8 = 3,78 cm² 36x1,0 = 8,46 cm² 24x1,5 = 7,05 cm² 20x2,0 = 9,50 cm²	1¼"WW	32	20, 30, 45, +5+5...	80, 110, 140, 200, ... 417...	21 = 3,4 cm²
			1" WW	25,4	20, 45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
			G1"	33,25	20	80, 110, 140, 200	21 = 3,4 cm²
			G3/4"	26,5	20, 30,45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
			G1/2"	21	15, 20, 40	80, 110, 140, 200	13 = 1,3 cm²
			G3/8"	16,7	20		13 = 1,3 cm²
			M30	30	30	80, 110, 140, 200, ...	21 = 3,4 cm²
			M24	24	25, 45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
			M22x1,5	22	45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
			M20	20	45, +5+5...	80, 110, 140, 200	13 = 1,3 cm²

Typ KSP





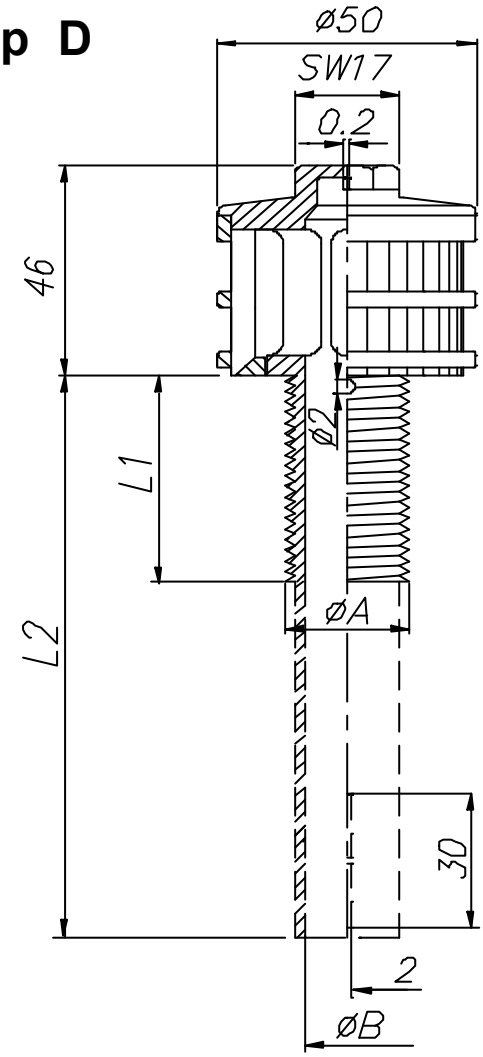


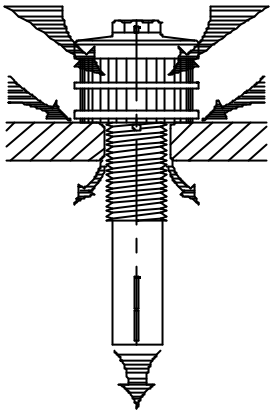


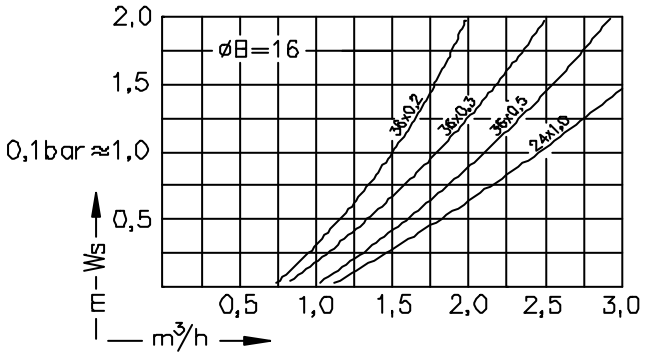
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	*	L1	Schaft Shaft Longueur de tige Tija L2	øA	øB
	KSP	40 x 0,2 = 1,95 cm²	8 - 28	50	80, 110, 140, 200, 250	**28-29,5**; 29,5-31,5; 31,5-33; 33-34,5; 34,5-36	16 = 2,0 cm²
		36 x 0,35 = 2,96 cm²	25 - 45	73	110, 140, 200, 250	**28-29,5**; 29,5-31,5; 31,5-33; 33-34,5; 34,5-36	16 = 2,0 cm²
		20 x 0,5 = 2,35 cm²					
		36 x 0,5 = 4,23 cm²	8 - 28	50	80, 110, 140, max. 200	**25-27,5**	13 = 1,3 cm²
		20 x 0,8 = 3,78 cm²					
		36 x 1,0 = 8,46 cm²					
		24 x 1,5 = 7,05 cm²					
		20 x 2,0 = 9,50 cm²					

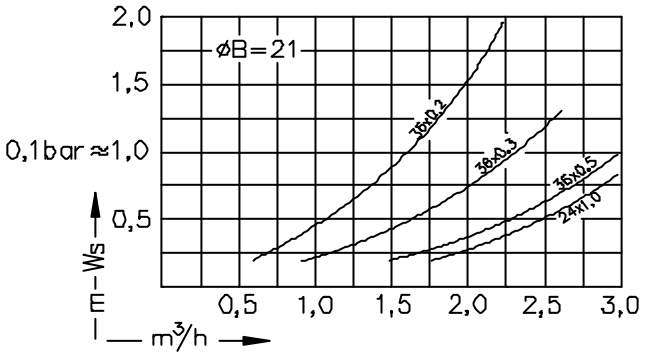
Filterdüsen Filter-Nozzles Crépines à filtre Toberas filtrantes

Typ D



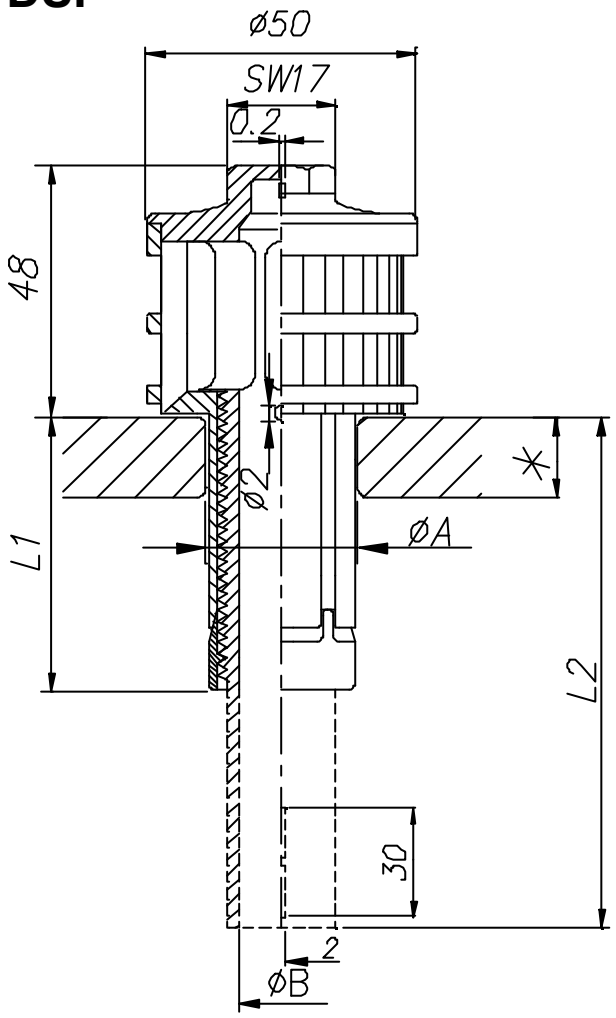


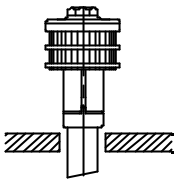


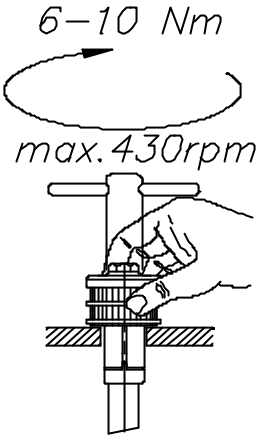


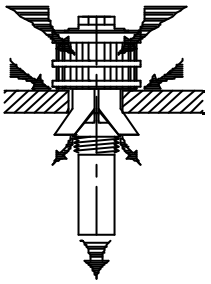
Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca L1	Schaft Shaft Longueur de tige Tija L2	øB
	D	24 x 0,2 = 0,91 cm²	1 ¼"WW	32	20, 30, 45, +5+5...	80, 110, 140, 200, ... 417...	21 = 3,4 cm²
		36 x 0,2 = 1,37 cm²	1"WW	25,4	20, 45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
		36 x 0,3 = 2,05 cm²	G 3/4"	26,5	20, 30, 45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
		36 x 0,5 = 3,42 cm²	G 1/2"	21	20	80, 110, 140, 200	13 = 1,3 cm²
		12 x 0,8 = 1,82 cm²	G 3/8"	16,7	20		13 = 1,3 cm²
		12 x 1,0 = 2,28 cm²	M30	30	30	80, 110, 140, 200, ...	21 = 3,4 cm²
		24 x 1,0 = 4,56 cm²	M24	24	25, 45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
		24 x 1,5 = 6,84 cm²	M22x1,5	22	45, +5+5...	80, 110, 140, 200, ... 417...	16 = 2,0 cm²
		20 x 2,0 = 7,00 cm²	M20		45, +5+5...	80, 110, 140, 200	13 = 1,3 cm²
		8 x 5,0 = 7,00 cm²					

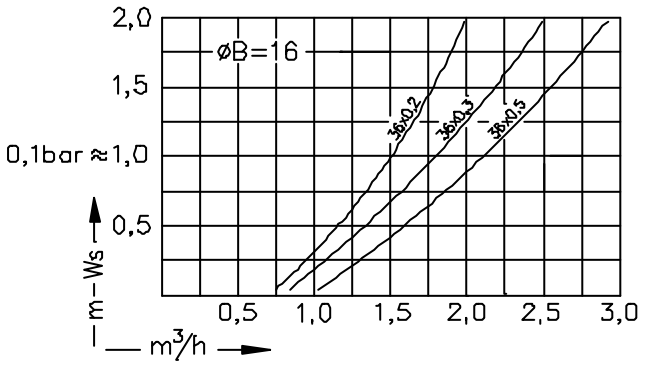
Typ DSP







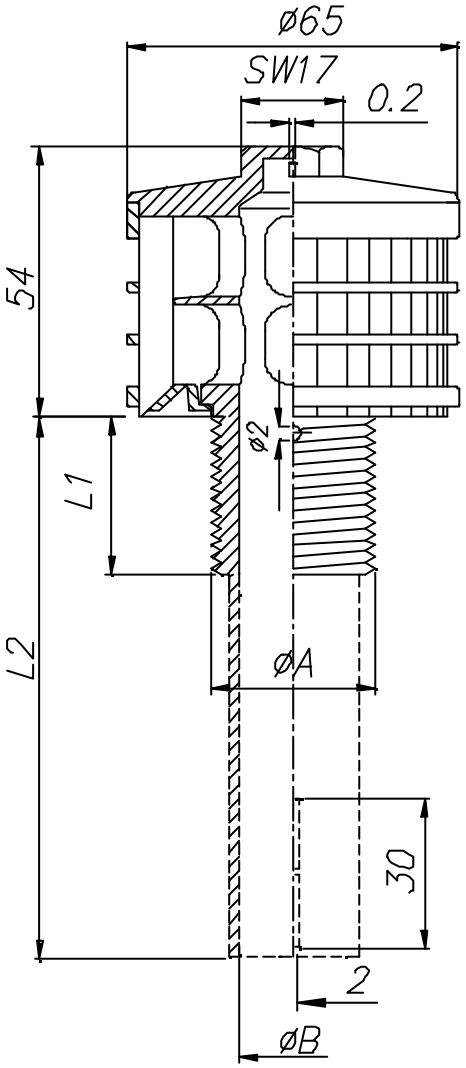


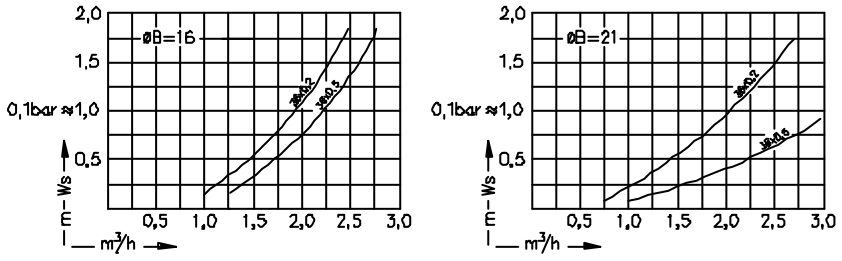


Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	*	L1	Schaft Shaft Longueur de tige Tija L2	øA	øB
	DSP	36 x 0,2 = 1,37 cm² 36 x 0,3 = 2,05 cm² 36 x 0,5 = 3,42 cm² 36 x 1,0 = 6,84 cm²	8 - 28	50	80, 110, 140, 200, 250	**28-29,5**; 29,5-31,5; 31,5-33; 33-34,5; 34,5-36	16 = 2,0 cm²

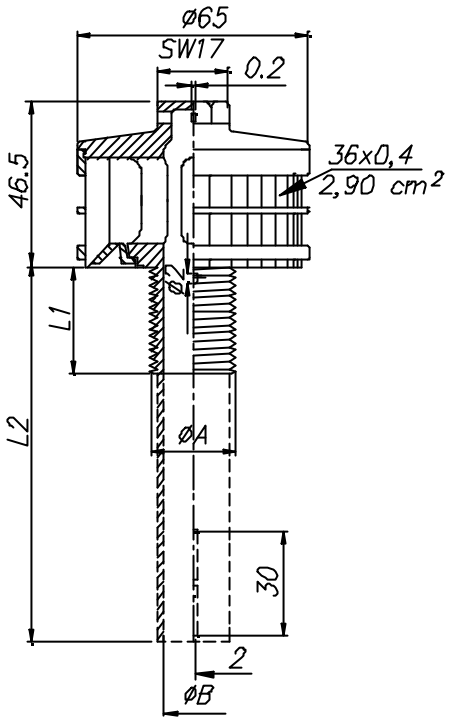
Filterdüsen Filter-Nozzles Crépines à filtre Toberas filtrantes

Typ C1





Typ CA



Bestellung Ordering Commande Encargo	Typ Type Type Tipa	Schlitze Slots Fentes Ranuras	Gewinde Thread Filetage Rosca	øA	Gewindelänge Thread length Longueur de filetage Largura de la rosca L1	Schaft Shaft Longueur de tige Tija L2	øB
	C1	36 x 0,2 = 1,95 cm²	1 ¼"WW	32	25, 30, 45	80, 110, 140, 200, ... 400...	21 = 3,4 cm²
		36 x 0,3 = 2,90 cm²	1"WW	25,4	20, 45, +5+5...	80, 110, 140, 200, ... 400...	16 = 2,0 cm²
		36 x 0,5 = 4,90 cm²	G 3/4"	26,5	20, 45, +5+5...	80, 110, 140, 200, ... 400...	16 = 2,0 cm²
		36 x 0,7 = 6,80 cm²	M30	30	30	80, 110, 140, 200, ... 400...	21 = 3,4 cm²
		36 x 1,0 = 9,80 cm²	M24	24	20, 45, +5+5...	80, 110, 140, 200, ... 400...	16 = 2,0 cm²
	CA	36 x 0,4 = 2,90 cm²	1"WW	25,4	45	80, 110, 140, 200, ... 400...	16 = 2,0 cm²
			G 3/4"	26,5	20, 45, +5+5...	80, 110, 140, 200, ... 400...	16 = 2,0 cm²
			M30	30	30	80, 110, 140, 200, ... 400...	21 = 3,4 cm²
			M24	24	20, 45, +5+5...	80, 110, 140, 200, ... 400...	16 = 2,0 cm²